

# SimpleK

Masterkey System and  
Key Management Software



# Key Control

SimpleK offers a scalable, flexible and fully integrated key management solution that can be used for facilities of any size. No other software on the market today offers such an advanced and complete solution for “Key & Facility Management”.

SimpleK combines all software tools needed by locksmiths, facility managers, customer service, human resources, department managers, security officers and anyone else involved in the key control processes.



## KEY CONTROL

- Easily manage all your master key systems, keys, key rings, key holders and key requests
- Provide total key control showing outstanding keys, overdue keys (with automatic notifications), key symbols, bittings, keyways, etc.
- Ability to include all your systems (multiple key manufacturers supported) and buildings in ONE database (using professional SQL databases)

## COMPLETE PAPERLESS WORKFLOW

- Use of devices like signature capture, barcode and RFID readers for efficient and paperless processes
- Many configurable reports with printing and MS Excel export tools
- Automatic email notifications (customizable to any criteria)
- Setup custom forms with your policies and automatically archive signed form into personal folders
- Link photographs, signatures, and documents of individuals holding keys.

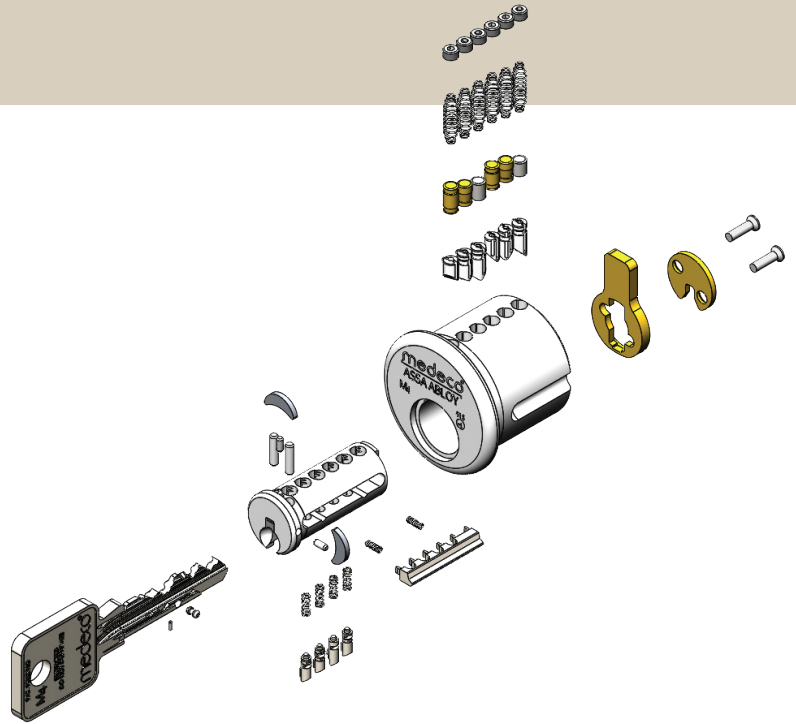
## RFID / BAR CODE TECHNOLOGIES

Streamline your issuance and return processes using RFID or Bar Code tags and readers. Use the tags to identify Key Rings and Items (to configure, you can easily scan them and select the associated SimpleK records). Use ID cards to identify your employees (compatible with many access control systems' card types).

# Master Keying

## MASTER KEYING

- Comprehensive Master Key System Generator
- Compatible with multiplex systems (key sections, keyways, angles)
- Core pinning calculator (for many system types)
- Key Interchange (Ghost Key) Verification
- Import your systems from other software in various formats
- Automatic configurable key numbering (by key or general for sequence numbers)
- Connection with key cutting machines

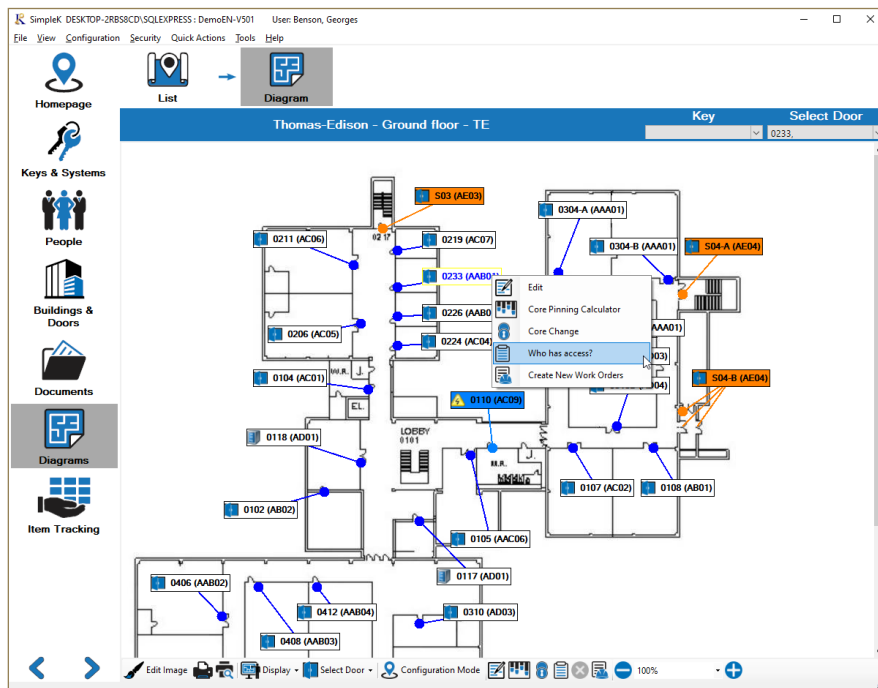
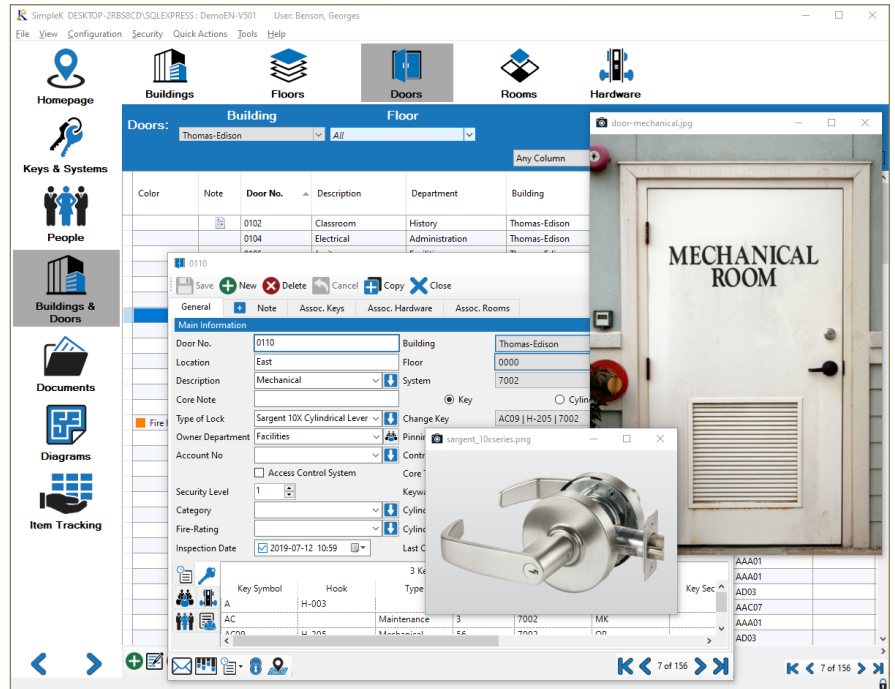




# Facility Management and Dynamic Floor Plans

## FACILITY MANAGEMENT

- Reference every building, floor, and door of your facilities
- Identify the operating keys of every door and quickly generate control reports
- User friendly and comprehensive interface with Tree View to explore data
- Have true “know before you go” detail for every piece of hardware on a door, including the complete door hardware schedule and maintenance log
- Create requests for maintenance or service, and track maintenance history on any door



## DYNAMIC FLOOR PLANS

What's better than a floor plan to quickly locate the specific door you were talking about! SimpleK allows you to import maps and floor plans (converted dwg to pdf, png, jpg, bmp or gif) and add door icons to dynamically link it to your database. This way you can navigate quickly from your door datagrid to floor plan, click and access your complete door information with associated keys, hardware, core pinning, core change wizard, “Who has access”, etc.

# Data Tools and Support

## DATA IMPORTING TOOLS

Migrating to a new management system always brings many concerns; a major one is: “Will we be able to collect our existing data and transfer it to the new system?”

SimpleK offers many tools to do it easily. You can create your own customized MS Excel import template like Key List, People List, Duplicate Distribution List and Door Survey by selecting the fields you need.

## DATA MIGRATION SERVICES

When migrating from a complex database or from an existing software, formatting the data can be challenging. This is why we offer a data migration service at an affordable price to alleviate this hassle. Ask our sales team about how we can help with this.

## TECHNICAL SUPPORT

SimpleK is committed to providing extensive and ongoing technical support to our customers. We will assist you with the complete installation and implementation of the software. Web meeting assistance is just a call away. Get access to the latest updates, new features, and available solutions. We will also help with server migration, creation of customized forms, reports and notifications.

## PEOPLE SYNCHRONIZATION SERVICE

With SyncSimpleK (SimpleK Data Synchronization Service, included with the Professional Edition) you can periodically synchronize your employee (and student) information from a source database of any kind, like Active Directory, LDAP or a Human Resources database (Peoplesoft, Banner, Oracle, etc.) into your SimpleK database (Microsoft SQL).



# Add-On Modules

Four add-on modules can be added to the Professional Edition of SimpleK to meet your facility's needs. These modules add more advanced functions to Key Control, Physical Security and Facility Management.

## WEB INTERFACE MODULE

Grant remote access to some specific tasks related to SimpleK, over your Intranet (locally hosted), by using only a web browser. For example, department managers can fill out a form to submit key requests or verify status of existing requests.

Listed below are the list of key features related to the web module:

- Key Request
- Card Request
- Work Order Request
- Request Tracking
- Request Approval
- People Information
- Personal Inventory
- Key Issuance
- Key Return
- Door - Key Association Chart
- Core Pinning Chart
- Custom SQL Reports

## MOBILE APPLICATION MODULE

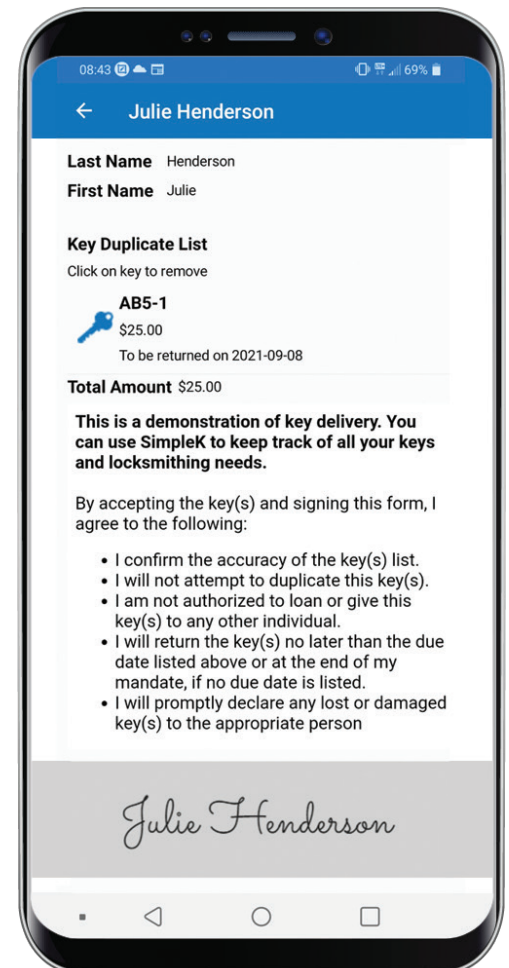
Mobile applications are innovative tools available for both smartphones and tablets, which support the on-site processes of your facility. Two different mobile applications are available with the module.

### SimpleK Mobile for Key Issuance and Deliveries

The SimpleK Mobile app allows you to transfer the Key Delivery transactions to your mobile device, display your key policy and agreement form to the key holders, deliver the keys, register the transactions and capture the holders' signatures. How could Key Control be made easier?

### InspectO Mobile for Door Surveys

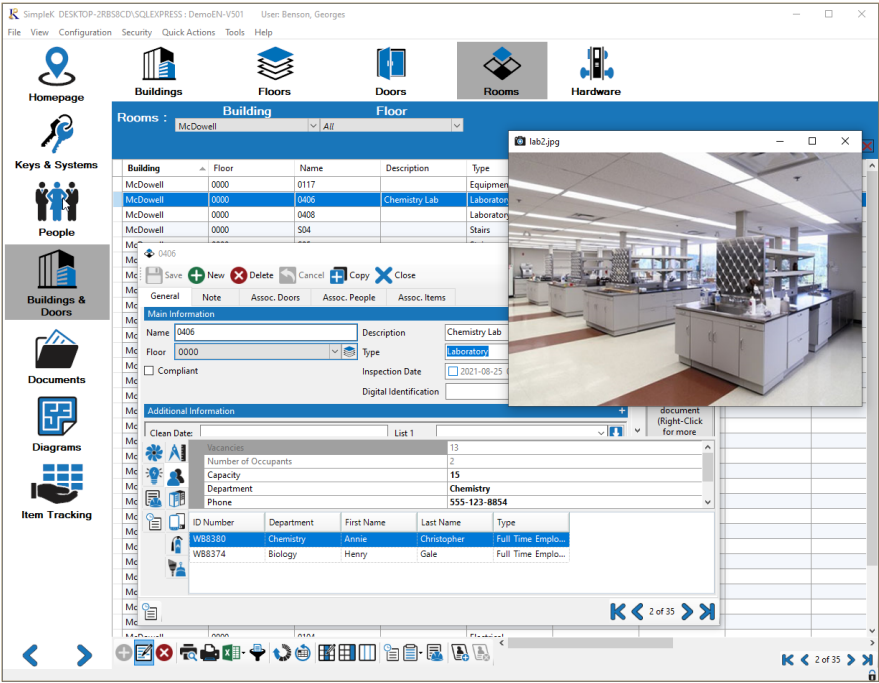
The InspectO Mobile app allows you to register your Door Data, in the field, with your mobile device. You can transfer the list of Doors from your SimpleK database to your mobile device, walk your facility, enter or complete your door records (keying, description, type of lock, door hardware, etc.), capture pictures of your doors and transfer all this data back to your SimpleK database.



# Add-On Modules

## SPACE & ROOMS MODULE

This module allows you to manage the detailed information of your premises, according to the following categories: Dimensions, Occupancy, Architectural, Equipment, Fire & Safety, Housekeeping, Mechanical & HVAC and Electrical. Also functions for reports, history, emails and work orders help improve your monitoring and maintenance processes.





## ITEM TRACKING MODULE

Manage issuance of items like uniforms, phones, laptop computers, walky-talkies, vehicles, etc. Define your items (assets) by services, categories and models. Each service can be managed separately (assigning security permission levels). Be notified of overdue items. Moreover, all items issued to one person can be seen in a single report with keys and key rings. This is compatible with the Web Interface Module.

# Standard & Professional Editions

Designed for buildings or large complex facilities, SimpleK offers many types of solutions, in accordance with your particular needs and is offered in two editions: Standard and Professional.

	 <b>Standard</b>	 <b>Professional</b>
Database Type	√	File / SQL
Maximum Number of Concurrent Users (included with the Primary License)	3	3
Additional Concurrent Users (requiring Additional Licenses)	-	Optional
Max. Number of Records	Unlimited	Unlimited
Reports, History & Forms	√	√
Security (Users & Groups)	√	√
Linked Documents (Pictures, pdf, xls, doc, etc.)	√	√
Import Templates	√	√
Diagrams (Maps & Floor Plans)	√	√
Door Hardware	√	√
Advanced Locksmith Functions (Core Pinning Calculator)	√	√
Wizards Std. (Door Creation, Key Issuance, Key Ring Issuance)	√	√
Compatibility to Signature Capture Devices	√	√
Compatibility to ITL Key Cutting Machines	√	√
Authorized Holders with Schedules for Key Rings	-	√
Deposits, Refunds & Fees	-	√
Key Requests (management of key requests)	-	√
Work Orders & Purchase Orders	-	√
Wizards Pro. (General Issuance, Key Delivery, Filter / Sort Datagrids)	-	√
Order Receipt (import data from your key provider)	-	√
Compatibility to RFID & Bar Code Technologies	-	√
Compatibility to Add-On Modules	-	√
SyncSimpleK (Data Interface Service)	-	√

## LICENSING

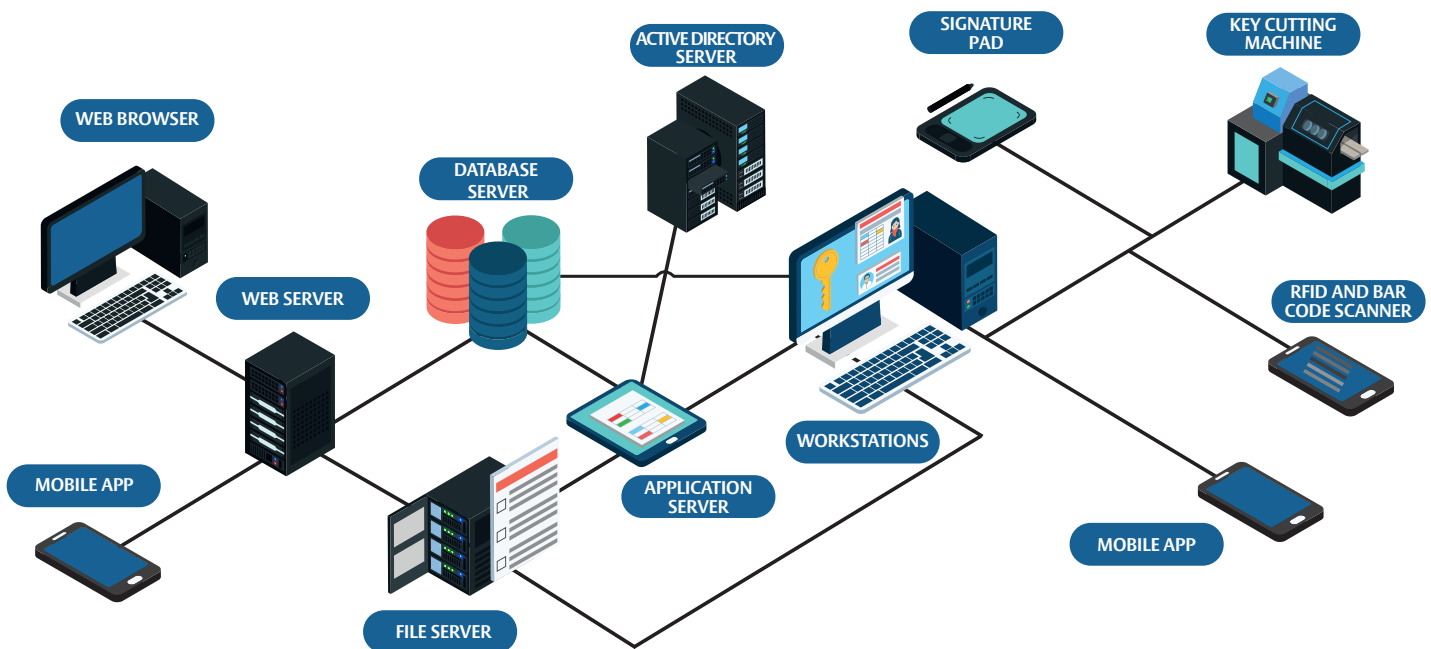
SimpleK's licensing is concurrent use: licenses are based on the number of simultaneous users accessing the program. For example, in a three-user concurrent use license, when three users are logged on to the program, the fourth user is prohibited. When any one of the first three logs off, the next person can log on. This also means that the software can be installed on more computers than the number of licenses. Additional licenses can be purchased with the Professional edition.



# Networked Architecture Diagram

For more efficiency and reliability, SimpleK offers different configuration patterns of distributed architecture. We aim to accommodate most types of architectures. For a small facility, SimpleK could also be installed as a stand-alone application on a workstation. The diagram below illustrates the recommended installation architecture for a networked distribution.

This diagram includes all modules and attached devices. With this architecture, the application files will be shared from the application server to all workstations.



## Workstations

The workstations only require a shortcut to the application files on a shared folder.

## Application Server

This is where the SimpleK software will be installed and shared to the workstations. The SyncSimpleK service can be installed here to periodically import Active Directory information into SimpleK.

## Database Server

This is where a Microsoft SQL Server (or MS SQL Express) will be installed and configured to accept remote connections from the workstations and web server.

## File Server

This is a shared folder where the users will save the forms, signatures, floor plans and any other documents needed for Key Management.

## Web Server (add-on module)

This is where the IIS (Internet Information Services) will be installed, on which the web module files will be deployed.

## Active Directory Server

The SimpleK Application and Web Module can be configured to accept Windows Authentication.

The SyncSimpleK Service can periodically import Active Directory information into SimpleK.

## Mobile App

Can connect directly to the workstations or via the Web Server (depending on usage). Available for Android, Apple and Microsoft devices.

## Web Browser

Compatible with the most common web browsers (IE, Edge, Firefox, Chrome).

## Signature Pad

Compatible with most Topaz System Signature Pads.

## RFID & Bar Code Scanner

Compatible with most RS232 or USB RS232 Serial Scanners.

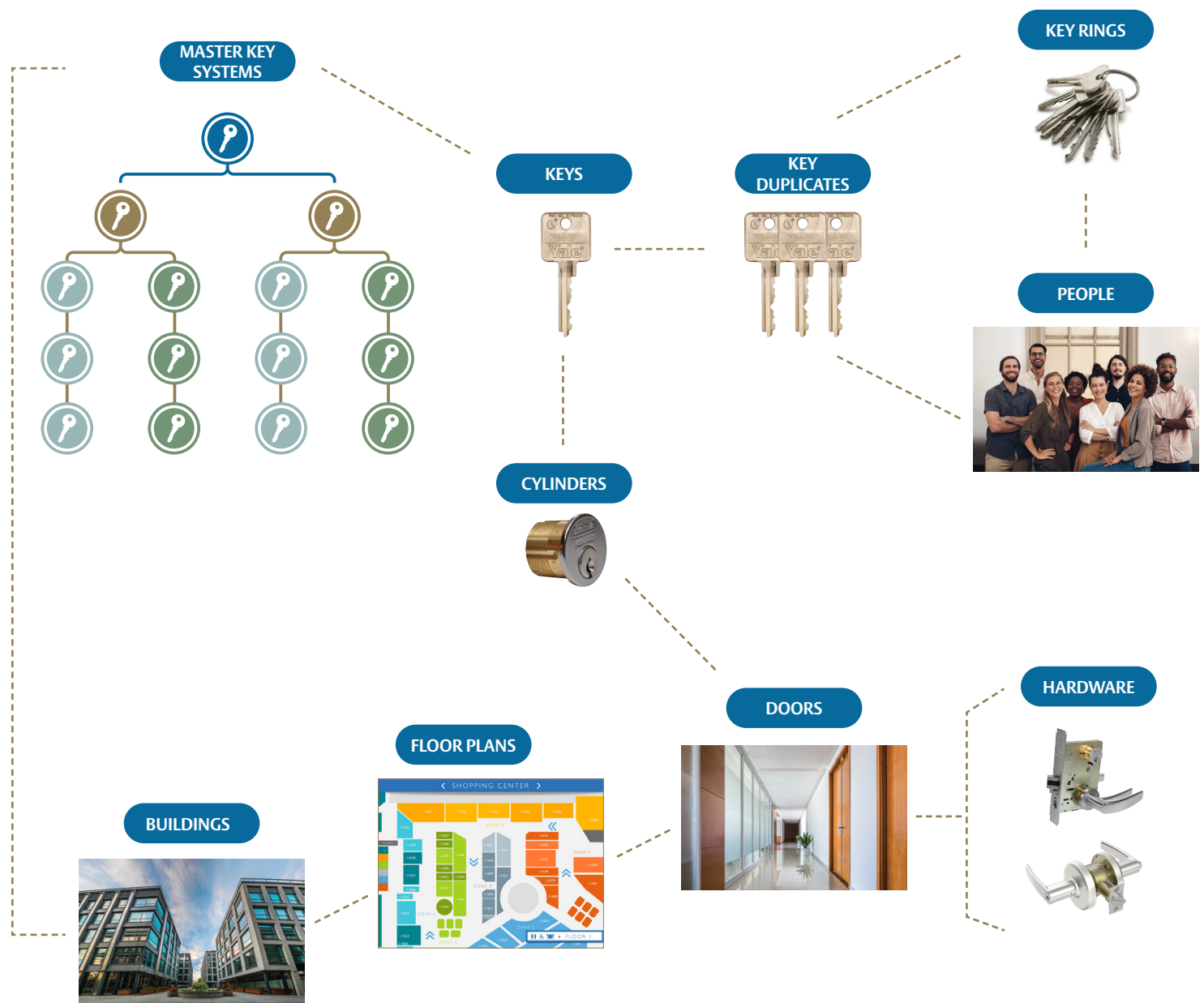
Compatible with RFIDEA Scanners and Tags.  
\*SimpleK can provide you with RFID Tags\*

## Key Cutting Machine

Compatible with ITL Cutting Machines (some models).

# Database Relationship Diagram

To integrate all the information in a well organized and optimal manner, SimpleK relies on a strong relational database.



SimpleK also features a secondary database which is used as an archive. All actions and transactions will be logged into that database. For traceability, the archive database will also log the user who did the transaction.

# System Requirements

SimpleK will always aim to be compatible with the latest (and supported) Microsoft technologies. If a new version of an already supported software is released, we will promptly adapt our software to meet the new standard. If an SQL Server and/or an IIS is installed on the same server, those requirements will need to be added to our server.

## Workstations

<b>Operating System</b>	Windows 10
<b>Processor</b>	2.0 Ghz or faster 32-bit (x86) or 64-bit (x64)
<b>RAM</b>	4 GB RAM (32-bit) or 8 GB RAM (64-bit)
<b>Display</b>	VGA display with 1920x1080 resolution
<b>Framework</b>	Microsoft .NET 4.6 Framework

## Server

<b>Operating System</b>	Windows Server 2012, 2016 or 2019
<b>Processor</b>	2.4 Ghz or faster 32-bit (x86) or 64-bit (x64)
<b>RAM</b>	4 GB RAM (32-bit) or 8 GB RAM (64-bit)
<b>MS SQL</b>	MS SQL Server 2012, 2014, 2016, 2017 or 2019 (32 or 64 bit, Express or other editions)
<b>Hard Disk Space</b>	16 Gigabytes
<b>Framework</b>	Microsoft .NET 4.6 Framework
<b>Web Server (optional)</b>	Microsoft Internet Information Services (IIS) v7.0 or later



SimpleK  
3625 Alleghany Drive  
P.O. Box 3075  
Salem, Virginia 24153-0330  
1-888-601-7806  
simplek.com

SimpleK

Patent pending and/or patent [www.assaabloydss.com/patents](http://www.assaabloydss.com/patents)

SimpleK is a brand associated with ASSA ABLOY High Security Group, Inc., an ASSA ABLOY Group company. Copyright © 2021. ASSA ABLOY High Security Group, Inc. All rights reserved.  
Reproduction in whole or in part without the express written permission of ASSA ABLOY High Security Group, Inc. is prohibited.

2021.030-9/21